



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 588

Sofia, 28.09.2021

Pursuant to Art 10, para 1, items 3 and 4, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, in connection to changing an element of the contents of the certificate under item 4.3.8 of BAS QR 2 and Order A 587/28.09.2021 by EA BAS, I hereby

AMEND

the Order with reg № A 128/29.03.2019 to Certificate of accreditation with reg № 166 ЛИ/29.03.2019, valid to 29.03.2023, as follows:

**VODODSNABDYAVANE I KANALIZATSIA LTD – RUSE
WATER QUALITY TESTING LABORATORY**

Management address: 7000, Ruse, 6 Dobrudzha Str.

Laboratory address: 7000, Ruse, 75 Tsarigrad Str.

To perform testing of:

<i>Type of scope: flexible for a part of the scope</i>			
№	Tested products	Type of testing/characteristic	Test methods (standart /validated)
1	2	3	4
1.	Water for drinking and household purposes and natural (ground and surface) waters (1) Industrial effluents and household fecal waters (2) Waters from swimming pools (3)	1.1. Specific electric conductivity	БДС EN 27888 (1)
		1.2. Active reaction pH	БДС 17.1.4.27, item 1 (1, 2, 3)
		1.3. Ammonium ion / Ammonia	БДС ISO 7150-1, item 1 (1) VLM 001 (1, 3)
		1.4. Nitrites	БДС EN 26777 (1) VLM 002 (1, 3)
		1.5. Nitrates	БДС ISO 7890-3 (1) VLM 003 (1)
		1.6. Manganese	БДС ISO 6333 (1) VLM 004 (1, 3)
		1.7. Residual chlorine	БДС 3560, item 4 (1) VLM 005 (1, 3)
		1.8. Total chlorine	VLM 005 (1, 3)
		1.9. Turbidity	VLM 019 (1)
		1.10. Colour	БДС EN ISO 7887, item 4, item 7 (1)
		1.11. Odour	БДС 8451, item 4 (1)
		1.12. Taste	БДС 8451, item 3 (1)
		1.13. Permanganate oxidisability / Permanganate index	БДС EN ISO 8467 (1,3)*
		1.14. Chlorides	БДС 3414 (1)

	1.15. Sulfates	VLM 006 (1)
	1.16. Phosphates / orthophosphates	БДC EN ISO 6878, item 4 (1) VLM 007 (1)
	1.17. Fluorides	VLM 008 (1)
	1.18. Amount of calcium and magnesium / Total hardness	БДC ISO 6059 (1)
	1.19. Calcium	БДC ISO 6058 (1)
	1.20. Magnesium	БДC 7211 (1)
	1.21. Iron	VLM 009 (1, 2, 3)
	1.22. Copper	VLM 010 (1, 2)
	1.23. Chromium (hexavalent) Chromium (total)	VLM 011 (1, 2)
	1.24. Zinc	VLM 012 (1, 2)
	1.25. Aluminium	VLM 013 (1)
	1.26. Boron	VLM 014 (1)
	1.27. Cyanides (free) Cyanides (total)	VLM 015 (1, 2)
	1.28. Total organic carbon /TOC/	VLM 016 (1)
	1.29. Temperature	БДC 8451, item 5 (1)
	1.30. Coliforms / Coliform bacteria	БДC 17335, item 7 (3) БДC EN ISO 9308 - 1 (1, 3)
	1.31. Escherichia coli / Fecal coliforms	БДC 17335 (3) БДC EN ISO 9308 - 1 (1, 3)
	1.32. Enterococci / Intestinal enterococci	БДC EN ISO 7899 - 2 (1, 3)
	1.33. Microbial number / Number of viable microorganisms	БДC EN ISO 6222 (1, 3)
	1.34. Staphylococci	БДC 17335, item 9 (3)
	1.35. Chemical oxygen demand (dichromatic), COD	VLM 017 (2)
	1.36. Undissolved substances	БДC 17.1.4.04, item 2 (2)
	1.37. Total nitrogen	VLM 018 (2)
	1.38. Total phosphorus	VLM 007 (2)
	1.39. Cadmium	VLM 021 (2)
	1.40. Lead	VLM 022 (2)
	1.41. Nickel	БДC 17.1.4.23 (2)

To perform sampling of:

№	Name of tested products	Method of Taking Samples
1	2	3
1.	Water for drinking and household purposes	БДC ISO 5667-5 БДC EN ISO 19458
2.	Natural (surface) waters from lakes and reservoirs	БДC ISO 5667-4
3.	Natural (surface) waters from rivers and streams	БДC EN ISO 5667-6
4.	Natural (ground) waters	БДC ISO 5667-11 БДC ISO 19458
5.	Industrial effluents and household fecal water	БДC ISO 5667-10
6.	Waters from swimming pools	БДC EN ISO 19458

References:

VLM 001:2009 Photometric method for specification of the contents of ammonium ions in waters
VLM 002:2009 Photometric method for specification of the contents of nitrites in waters
VLM 003:2009 Photometric method for specification of the contents of nitrates in waters
VLM 004:2009 Photometric method for specification of the contents of manganese in waters
VLM 005:2009 Photometric method for specification of the contents of free and total chlorine in waters
VLM 006:2009 Photometric method for specification of the contents of sulfates in waters
VLM 007:2009 Photometric method for specification of the contents of orthophosphates and total phosphorus in waters
VLM 008:2009 Photometric method for specification of the contents of fluorides in waters
VLM 009:2009 Photometric method for specification of the contents of iron in waters
VLM 010:2009 Photometric method for specification of the contents of copper in waters
VLM 011:2009 Photometric method for specification of the contents of chromium in waters
VLM 012:2009 Photometric method for specification of the contents of zinc in waters
VLM 013:2009 Photometric method for specification of the contents of aluminum in waters
VLM 014:2009 Photometric method for specification of the contents of boron in waters
VLM 015:2009 Photometric method for specification of the contents of cyanides in waters
VLM 016:2009 Photometric method for specification of the contents of total organic carbon /TOC/ in waters
VLM 017:2009 Photometric method for specification of the contents of chemical oxygen demand (dichromatic), COD in waters
VLM 018:2009 Photometric method for specification of the contents of total nitrogen in waters
VLM 019:2010 Photometric method for specification of the contents of turbidity in waters
VLM 021:2010 Photometric method for specification of the contents of cadmium in waters
VLM 022:2010 Photometric method for specification of the contents of lead in waters

- *The introduction of a new version of the standards or standards which substitute them is permitted. The laboratory supports an updated list of standards and their dated versions.*

I HEREBY ORDER

The issuance of Certificate of accreditation reg. № 166 ЛИ/28.09.2021 valid until 29.03.2023 and this order enclosed as an integral part of it.

The Certificate of accreditation together with its enclosure should be received by the Manager/representative of Vododsnabdyavane i Kanalizatsia LTD – RUSE, the head of the Water Quality Testing Laboratory at Vododsnabdyavane i Kanalizatsia LTD – Ruse or other authorized person in the office of EA BAS.

Upon the receipt of the certificate issued and enclosure, the accredited Laboratory is obliged to return to the Executive Agency Bulgarian Accreditation Service the originals of Certificate of accreditation reg. № 166 ЛИ/29.03.2019, valid until 29.03.2023 and order № A 128/29.03.2019 enclosed to it.

This Order shall be notified to Vododsnabdyavane i Kanalizatsia LTD – Ruse, within 3 (three) days from its issuance.

eng. IRENA BORISLAVOVA
Executive Director of EA BAS